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REMARKS

The claims have been amended to delete the multiple dependent claim status and improve readability. No new matter is presented by the above amendments. Early and favorable consideration of this application is respectfully requested.

By:

Respectfully submitted,

Date: 17 2001

Anthony P. Venturino Registration No. 31,674

APV/pgw

ATTORNEY DOCKET NO. APV31196

STEVENS, DAVIS, MILLER & MOSHER, L.L.P.

1615 L STREET, N.W., SUITE 850

WASHINGTON, D.C. 20036

TEL. 202-785-0100 / FAX. 202-408-5200

MARKED UP SET OF CLAIMS

1. (Amended) A composite aluminium panel comprising two parallel plates and/or sheets secured to the peaks and troughs of a corrugated aluminium stiffener sheet between the parallel plates and/or sheets, wherein the corrugated aluminium stiffener sheet is made from an aluminium alloy rolled sheet of composition (in weight percent):

Mg 1.5 - 6.0 Mn 0.3 - 1.4 Zn 0.4 - 5.0 Fe up to 0.5 Si up to 0.5 Zr up to 0.30

optionally, [one or more of] at least one member of the group consisting of:

Cr 0.05 - 0.30
Ti 0.01 - 0.20
V 0.05 - 0.25
Ag 0.05 - 0.40
Cu up to 0.40

[others] other elements up to 0.05 each, 0.15 total

Al balance

and having in an H-condition or in [the] <u>an</u> O-condition a ratio of PS/UTS in the range of 0.4 to 0.9 and having good roll formability.

2. (Amended) A composite aluminium panel according to claim 1, wherein the corrugated aluminium stiffener sheet has a thickness in the range of up to 3.0 mm[, and preferably in the range of 0.2 to 1.0 mm].

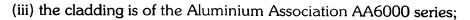
- 3. (Amended) A composite aluminium panel according to claim 1 [or 2], wherein the Zn content of the corrugated aluminium stiffener sheet is in the range of 0.4 to 1.2%.
- 4. (Amended) A composite aluminium panel according to claim 1 [or 2], wherein the Zn content of the corrugated aluminium stiffener sheet is in the range of 3.0 to 4.5%.
- 5. A composite aluminium panel [according to any one of claims 1 to 3], wherein the corrugated aluminium stiffener sheet is made from an aluminium alloy rolled sheet of composition (in weight percent):

```
Mg
       5.0 - 6.0
Mn
       0.6 - 12
Zn
       0.4 - 1.5[, and preferably 0.4 - 0.9[
Zr
       0.05 - 0.25
Cr
       up to 0.3
Ti
       up to 0.2
Fe
       up to 0.5
Si
       up to 0.5
Cu
       up to 0.4
Ag
       up to 0.4
```

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balance Aluminium and inevitable impurities, and having in an H-condition or in an O-condition a ratio of PS/UTS in the range of 0.4 to 0.9 and having good roll formability.

- 6. (Amended) A composite aluminium panel in accordance with [any one of claims 1 to 5] <u>claim 1</u>, [wherein] <u>further comprising</u> a cladding [is present] on at least one side of the surface of the corrugated sheet <u>and the cladding is a member of the group consisting</u> of [the following]:
 - (i) [it] the cladding is of a higher purity aluminium alloy than said rolled sheet;
 - (ii) the cladding is of the Aluminium Association AA1000 series;



- (iv) the cladding is of the Aluminium Association AA4000 series; and
- (v) the cladding is of the Aluminium Association AA7000 series.
- 7. (Amended) A composite aluminium panel in accordance with [any one of claims 1 to 6] claim 1, wherein the two parallel plates and/or sheets have been secured to the corrugated aluminium stiffener sheet by means of welding[, and preferably by means of laser welding].
- 8. (Amended) A composite aluminium panel in accordance with [any one of claims 1 to 7] claim 1, wherein at least one of the two parallel plates and/or sheets are within the same compositional window as the corrugated aluminium stiffener.
- 9. (Amended) A composite aluminium panel in accordance with claim [6 or 8] 1, wherein a cladding of the AA4000-series aluminium alloy is present on at least one side of the surface of the corrugated aluminium stiffener sheet, and wherein at least one of the two parallel plates and/or sheets has been secured to the corrugated aluminium stiffener sheet by means of brazing.
- 10. (Amended) A method of use [Use] of an aluminium rolled product of composition (in weight percent):

Mg 1.5 - 6.0

Mn 0.3 - 1.4

Zn 0.4 - 5.0

Fe up to 0.5

Si up to 0.5

Zr up to 0.30

optionally, one or more of

Cr 0.05 - 0.30

Ti 0.01 - 0.20

V 0.05 - 0.25

Ag 0.05 - 0.40

Cu up to 0.40

[others] other elements up to 0.05 each, 0.15 total

Al balance

comprising a step selected from the group consisting of:

forming the aluminium rolled product into a [as] corrugated aluminium stiffener sheet; and

attaching the aluminium rolled product [and/or] as a parallel sheet or plate to a corrugated sheet of an aluminium alloy which is of the same or different composition as the parallel sheet and/or plate in a composite aluminium panel [in accordance with any one of claims 1 to 9].

11. (Amended) <u>A method of use</u> [Use] of an aluminium rolled product of composition (in weight percent):

Mg 5.0 - 6.0

Mn 0.6 - 12

Zn 0.4 - 1.5[, and preferably 0.4-0.9]

Zr 0.05 - 0.25

Cr up to 0.3

Ti up to 0.2

Fe up to 0.5

Si up to 0.5

Cu up to 0.4

Ag up to 0.4

balance Aluminium and inevitable impurities[.]

comprising a step selected from the group consisting of:

forming the aluminium rolled product into a [as] corrugated aluminium stiffener sheet; and

attaching the aluminium rolled product [and/or] as a parallel sheet or plate to a corrugated sheet of an aluminium alloy which is of the same or different composition as the

parallel sheet and/or plate in a composite aluminium panel [in accordance with any one of claims 1 to 9].

- 12. (Amended) A welded structure comprising at least one composite aluminium panel according to [any one of claims 1 to 9] <u>claim 1</u>.
- 13. (Amended) A composite aluminium panel according to [any one of claims 1 to 9] claim 1 for ship building.
- 14. (Amended) A composite aluminium panel according to [any one of claims 1 to 9] claim 1 for marine offshore construction.